

## CLAIMS

What is claimed:

1. A system to control the luminosity of a motor vehicle lamp comprising:

a digital sequencing means for the initiation of a digital value;

a drive circuit means for the conversion of the digital value to an analog voltage level;

a current/voltage control means for the control of the current through a motor vehicle lamp and the voltage across the motor vehicle lamp.

2. A system to control the luminosity of a motor vehicle lamp and negate the normalized on resistance versus the junction temperature characteristics of the current/voltage control means and the impedance variation of the motor vehicle lamps, and thereby maintain the motor vehicle lamps at an unvarying luminosity level comprising:

a current measurement means to measure the current through the motor vehicle lamp and/or a voltage measurement means to measure the voltage across the motor vehicle lamp.

3. The system to control the luminosity of a motor vehicle lamp and negate the normalized on resistance versus the junction temperature characteristics of the current/voltage control means and the impedance variation of the motor vehicle lamps according to claim 2 whereby the current measurement means and/or the voltage measurement means activates a fault indication means if the current level and/or the voltage level is either greater than or less than the programmed current/voltage level.

4. A system to extend the life of a motor vehicle lamp comprising:

a digital sequencing means for the initiation of a digital sequence and whereby the digital sequence either increments or decrements, as required, at a given time interval;

a drive circuit means for the conversion of the digital sequence to an analog voltage level;  
a current/voltage control means for the control of the current through a motor vehicle lamp  
and the voltage across the motor vehicle lamp.

5. The system to extend the life of a motor vehicle lamp according to claim 4 further comprising a means to store the digital sequence and the time interval that the digital sequence either increments or decrement, furthermore where the time interval between when the digital sequence either increments or decrements can be of one value for  $t = 0$  to  $t = 1$ , a second value at  $t = 1$  to  $t = 2$ , and a third value at  $t = 2$  to  $t = 3$ .